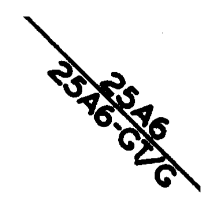






25A6, 25A6-GT/G

POWER AMPLIFIER PENTODE

Heater■	Coated Unipotential Cathode		
Voltage	25		a-c or d-c volts
Current	0.3		amp.
	25A6	*25A6-GT/G*	
Direct Interelectrode Cap.	▲		
Grid to Plate	0.2	-	μμf
Input	8.5	-	μμf
Output	12.5	-	μμf
Maximum Overall Length	3-1/4"	3-5/16"	
Maximum Seated Height	2-11/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	Small Wafer Octal 7-Pin	Intermed. Sh. Octal 7-Pin	
Basing Designation	7S	G-7S	

Pin 1 {25A6, Shell; 25A6-GT/G, No Con.
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Screen
Pin 5 - Grid
Pin 7 - Heater
Pin 8 - Cathode, Grid #3

BOTTOM VIEW

Mounting Position: Any

Maximum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	160 max.	volts
Screen Voltage	135 max.	volts
Plate Dissipation	5.3 max.	watts
Screen Dissipation	1.9 max.	watts

Typical Operation and Characteristics- Class A$_1$ Amplifier:

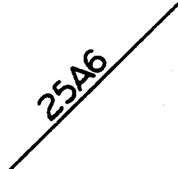
Plate Voltage	95	135	160	volts
Screen Voltage	95	135	120	volts
Grid Voltage *	-15	-20	-18	volts
Peak A-F Grid Voltage	15	20	18	volts
Zero-Sig. Plate Current	20	37	33	ma.
Max.-Sig. Plate Current	22	39	36	ma.
Zero-Sig. Screen Current	4	8	6.5	ma.
Max.-Sig. Screen Current	8	14	12	ma.
Plate Resistance	45000	35000	42000	ohms
Transconductance	2000	2450	2375	μmhos
Load Resistance	4500	4000	5000	ohms
Total Harmonic Distortion	11	9	10	%
Max.-Sig. Power Output	0.9	2	2.2	watts

■ Heater-cathode bias should not exceed 90 volts d.c. as measured between negative heater terminal and cathode.
▲ With shell connected to cathode. Values are approximate.
* The d-c resistance in the grid circuit should not exceed 0.5 megohm with cathode bias. With fixed bias, the d-c resistance may be as high as 0.5 megohm for the 95-volt condition, but should be limited to 0.1 megohm for the 135-volt and 160-volt conditions.

Curves under Type 43 also apply to the 25A6 and 25A6-GT/G.

→ Indicates a change.

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY





25A6

AVERAGE PLATE CHARACTERISTICS

E_f = 25 VOLTS   SCREEN VOLTS = 135

CONTROL-GRID VOLTS E_{c1} = -30

E_{c1} = 0, -5, -10, E_{c1} = -15, -20, -25, -35, -40

PLATE VOLTS: 0, 50, 100, 150, 200, 250, 300, 350, 400

PLATE MILLIAMPERES: 100, 80, 60, 40, 20, 0

JAN. 8, 1940

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92C-4559R1